

FIG. 1

Product A

202 →

| <u>count</u> | <u>price</u> | <u>vintage</u> |
|--------------|--------------|----------------|
| 210 → 1      | 212 \$100    | 214 1990       |
| 216 → 2      | \$100        | 1991           |
| 3            | \$125        | 1992           |
| ⋮            | ⋮            | ⋮              |
| ⋮            | ⋮            | ⋮              |
| ⋮            | ⋮            | ⋮              |
| N            | \$190        | 2001           |

Product B

204 ↘

| <u>count</u> | <u>price</u> | <u>vintage</u> |
|--------------|--------------|----------------|
| 1            | \$130        | 1993           |
| 2            | \$140        | 1994           |
| 3            | \$150        | 1994           |
| ⋮            | ⋮            | ⋮              |
| ⋮            | ⋮            | ⋮              |
| ⋮            | ⋮            | ⋮              |
| K            | \$215        | 2001           |

Product Y

200 ↗

206 ↙

| <u>count</u> | <u>price</u> | <u>vintage</u> |
|--------------|--------------|----------------|
| 1            | \$100        | 1989           |
| 218 → 2      | \$100,000    | 1990           |
| 220 → 3      | \$120        | 1920           |
| ⋮            | ⋮            | ⋮              |
| ⋮            | ⋮            | ⋮              |
| ⋮            | ⋮            | ⋮              |
| X            | \$200        | 2001           |

Product Z

208 ↙

| <u>count</u> | <u>price</u> | <u>vintage</u> |
|--------------|--------------|----------------|
| 1            | \$75         | 1987           |
| 222 → 2      | \$0.75       | 1988           |
| 224 → 3      | \$100        | 2200           |
| ⋮            | ⋮            | ⋮              |
| ⋮            | ⋮            | ⋮              |
| ⋮            | ⋮            | ⋮              |
| J            | \$110        | 2001           |

FIG. 2

| <u>Product Type</u> | <u>Price</u> | <u>Vintage</u> |
|---------------------|--------------|----------------|
| Product A           | \$142        | 1995           |
| Product B           | \$171        | 1996           |
|                     |              |                |
|                     |              |                |
| Product Y           | \$148        | 1995           |
| Product Z           | \$93         | 1993           |

FIG. 3

| <u>Product Type</u> | <u>Substitutions</u> |
|---------------------|----------------------|
| Product A           | Product B, Product D |
| Product B           | Product A, Product D |
|                     |                      |
|                     |                      |
| Product Y           | Product O            |
| Product Z           | Product M            |

FIG. 4

| <u>Product Type</u> |                        | <u>Reductions</u> | <u>Additions</u> |
|---------------------|------------------------|-------------------|------------------|
| 502                 | Product A (#142, 1995) | 504 2             | 506 —            |
|                     | Product B (#171, 1996) | —                 | 3                |
|                     |                        |                   |                  |
|                     |                        |                   |                  |
|                     |                        |                   |                  |
|                     |                        |                   |                  |
| 500 →               | Product Y (#148, 1995) | —                 | —                |
|                     | Product Z (#93, 1993)  | —                 | 1                |

FIG. 5

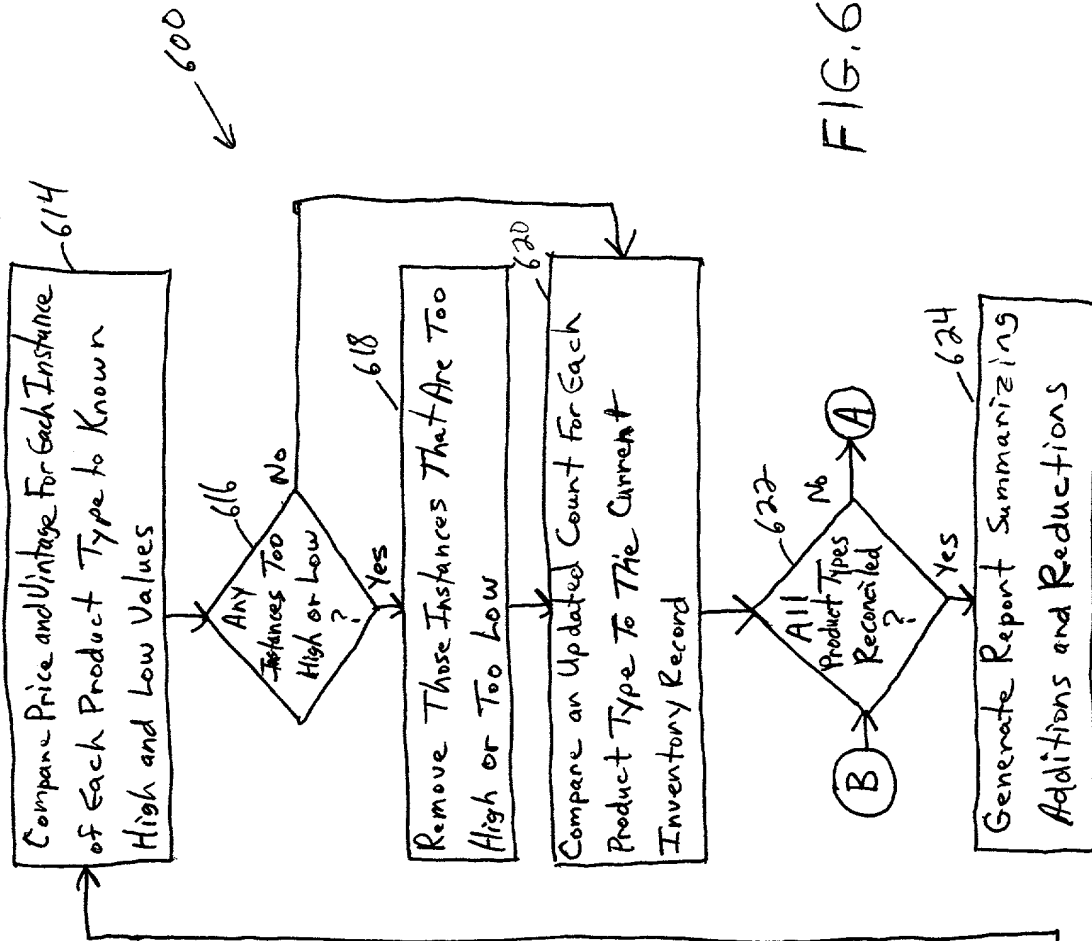
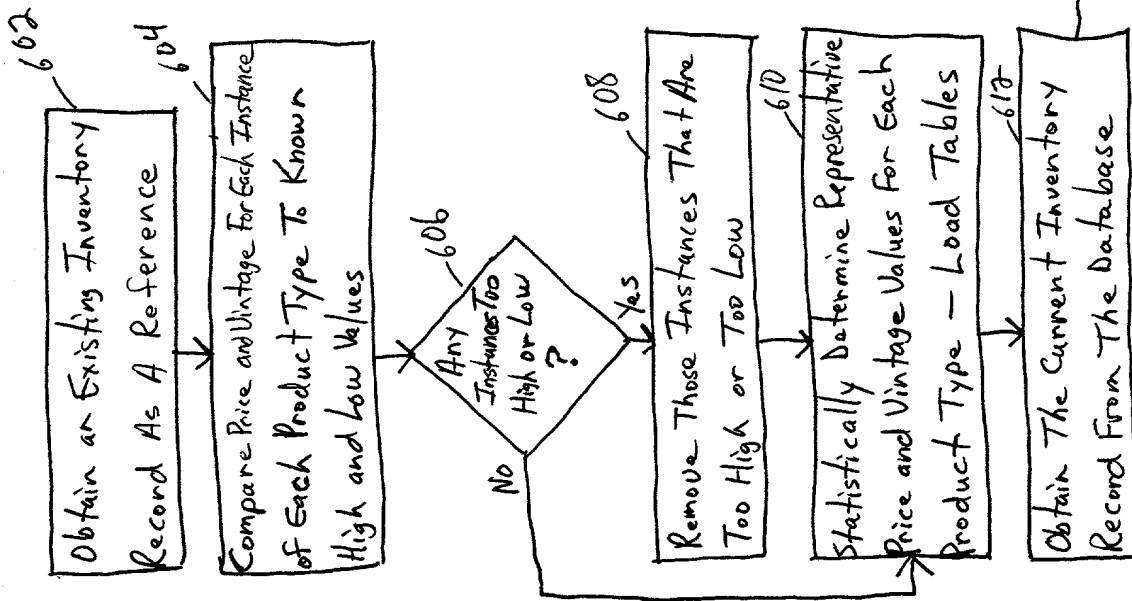


FIG. 6

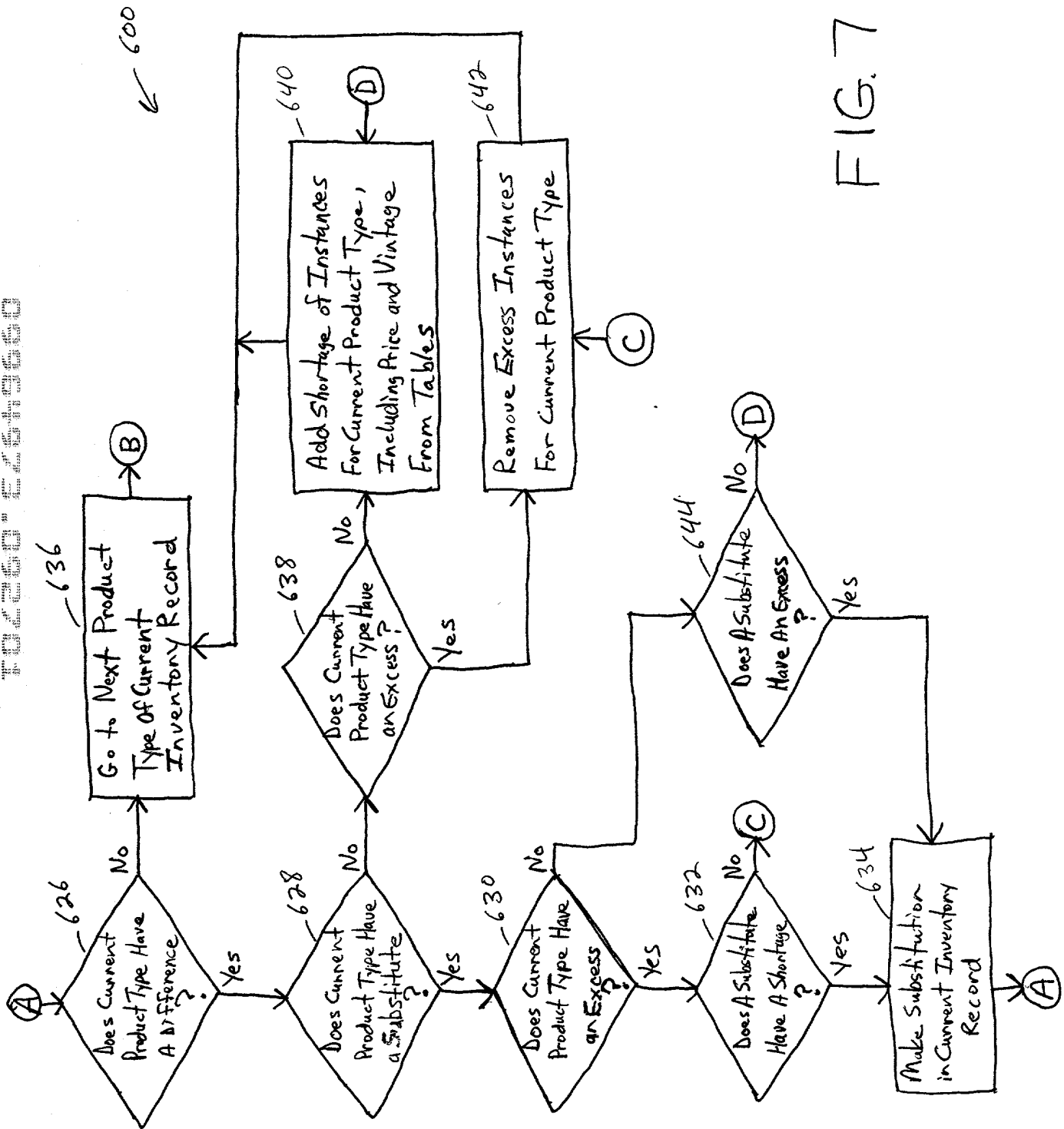


FIG. 7